

Connectors

106 - 10E6/10D6 (Shell size 10, 6x#20)



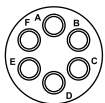
Connector part number

UTGX 106

6 contacts
4.5A/250V
per UL 1977 with
AWG20 wire

10E6/10D6

6 contacts
6A/250V
per UL 1977 with
AWG20 wire



Contact type	Connector type	Backshell	Part number Male insert	Female insert
Crimp contacts supplied separately see page 62	Square flange receptacle	Without (Fig. 1)	UTGX0106P	UTGX0106S
	Square flange receptacle	Cable gland (Fig. 2)	UTGX0JC106P	UTGX0JC106S
	Free hanging receptacle	Cable gland (Fig. 3)	UTGX1JC106P	UTGX1JC106S
	Plug	Without (Fig. 4)	UTGX6106P	UTGX6106S
		Cable gland (Fig. 5)	UTGX6JC106P	UTGX6JC106S
	Jam nut receptacle	Without (Fig. 6)	UTGX7106P	UTGX7106S
	Jam nut receptacle	Without (Fig. 7)	UTGX7106P	UTGX7106S
	Jam nut receptacle	Without (Fig. 7)	UTGX7106P	UTGX7106S
PCB contacts supplied separately see page 62	Square flange receptacle	Without (Fig. 1)	UTGX010E6P	UTGX010E6S
	Plug	Without (Fig. 4)	UTGX610E6P	UTGX610E6S
		Cable gland (Fig. 5)	UTGX6JC10E6P	UTGX6JC10E6S
Handsolder electrical contacts loaded	Jam nut receptacle	Without (Fig. 6)	UTGX710E6P	UTGX710E6S
	Jam nut receptacle	Without (Fig. 7)	UTGX710E6P	UTGX710E6S
	Jam nut receptacle	Without (Fig. 7)	UTGX710E6P	UTGX710E6S
PCB contacts supplied separately see page 62	Jam nut receptacle	Without (Fig. 7)	UTGX710E6P	UTGX710E6S
PCB contacts loaded see page 62	Square flange receptacle	Without (Fig.1)	UTGX010D6P	UTGX010D6S
	Jam nut receptacle with stand off and without hold down clip	Without (Fig.8)	UTGX710D6P	UTGX710D6S
	Jam nut receptacle with stand off and with hold down clips	Without (Fig.8)	UTGX710D6P32	UTGX710D6S32

For discrimination/keying methods see page 154

Sealed unmated

Overmoulded cable assembly part numbers

Overmoulding type	Connector type	Wire size (mm ²)	Harmonized cable part number ⁽¹⁾	Part number (length: 1 m.)*	
				Male plug	Female plug
Straight ending	Plug	0.5	H05 VV - F 6x0.5	HAUTGX106PST1M	HAUTGX106SST1M
				HAUTGX10E6PRA1M	HAUTGX10E6SRA1M
Right angle ending	Plug	0.5	H05 VV - F 6x0.5	HAUTGX106PRA1M	HAUTGX106SRA1M
				HAUTGX106EPRA1M	HAUTGX10E6SRA1M

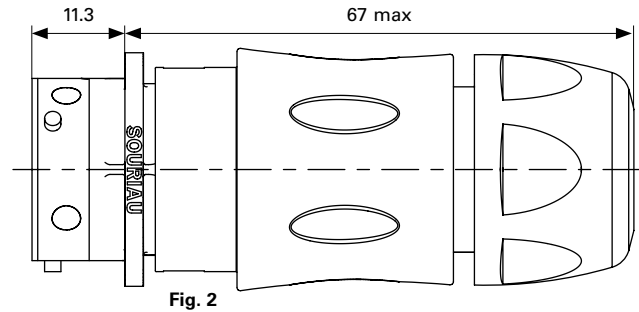
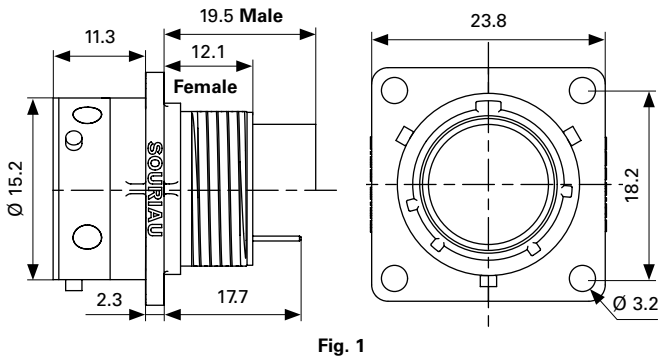
(1) Other cable available on demand

* Other lengths available on demand

Note: Overmoulded cable assembly dimensions available page 145

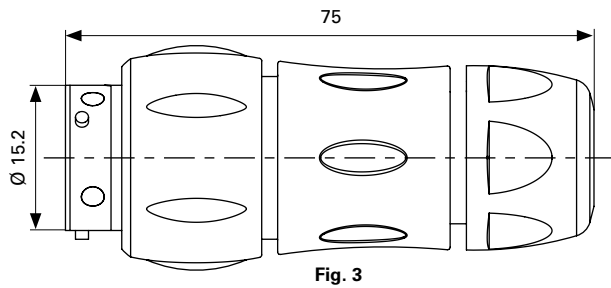
Dimensions in mm (For mated connector lengths see page 145)

Square flange receptacle - UTGX0 and UTGX0JC



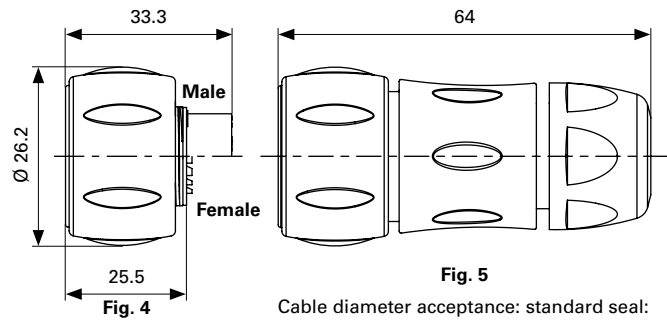
Cable diameter acceptance: standard seal:
from 2.5 mm to 8 mm, reduced seal: from 1.5 mm to 5 mm

Free hanging - UTGX1JC



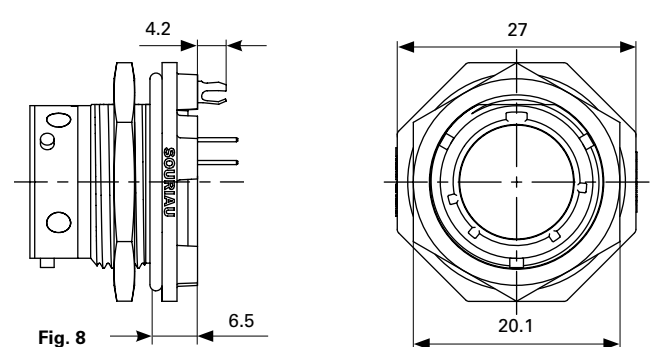
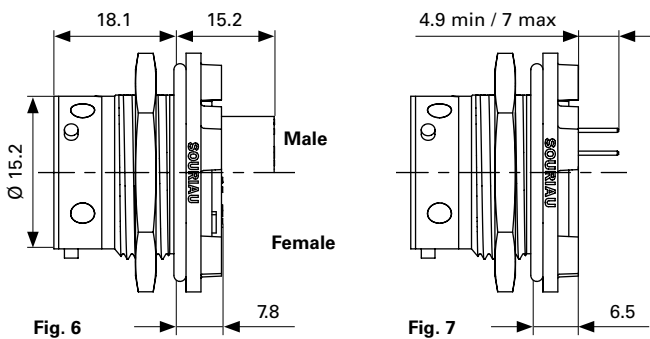
Cable diameter acceptance: standard seal:
from 2.5 mm to 8 mm, reduced seal: from 1.5 mm to 5 mm

Plug - UTGX6 & UTGX6JC



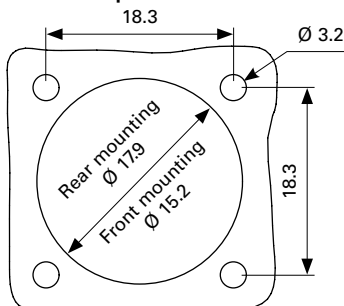
Cable diameter acceptance: standard seal:
from 2.5 mm to 8 mm, reduced seal: from 1.5 mm to 5 mm

Jam nut receptacle UTGX7

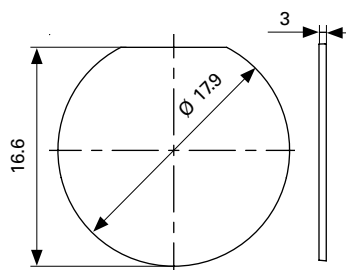


Panel cut out

Jam nut receptacle - UTGX0



Jam nut receptacle - UTGX7



Connectors

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Accessories

Jam nut & free hanging receptacle sealing caps



Description	Part number
IP68/69K	UTGX10DCG
IP68/69K - Metal terminal	UTGX10DCGR

Square flange sealing cap



Description	Part number
IP68/69K - Metal terminal	UTGX10DCGE

Plug sealing cap



Description	Part number
IP68/69K	UTGX610DCG

Plastic protective cap



Part number receptacle cap	Part number plug cap
85005586A	85005595

Gasket



Part number
UTFD12B

Color coding rings



Description	Part number receptacles	Part number plugs
G for Green	UTGX710CCRG	UTGX610CCRG
Y for Yellow	UTGX710CCRY	UTGX610CCRY
R for Red	UTGX710CCR	UTGX610CCR

Connectors

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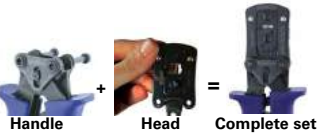
Tooling

Tooling



Description	Part number
Handle (without head)	Shandles
Box containing handle and several crimp tooling	Toolkit

Crimp tooling (without Shandles)



Contact size	Contacts	Part number of Head
Standard contacts #20 Ø 1 mm	RM/RC 24W3K⁽¹⁾	S20RCM*
	RM/RC 20W3K⁽¹⁾	S20RCM*
	RM/RC 18W3K⁽¹⁾	S20RCM*
	SM/SC 24WL3⁽¹⁾⁽²⁾	S20SCM20*
	SM/SC 20WL3⁽¹⁾⁽²⁾	S20SCM20*

(1): Example of plating, for other plating options see page 129

(2): Loose contact

* Heads to be used with handle PN: SHANDLES

Extraction tool #20



Description	Part number
Contacts #20	RX20D44

Connectors

106 - 10E6/10D6 (Shell size 10, 6x#20)

Contacts #20

Contact style	Contact type	Cable acceptance (AWG)	Cable acceptance (mm ²)	Part number Male	Part number Female	Max wire Ø (mm)	Max insulator Ø (mm)
Crimp contacts	Machined	26-24	0.13-0.25	RM24W3K	RC24W3K	0.80	1.58
		20-20	0.32-0.52	RM20W3K	RC20W3K	1.15	1.80
		20-18	0.52-0.80	RM18W3K	RC18W3K	1.30	2.10
	Stamped & Formed reeled contacts See note ⁽²⁾ for loose piece	26-24	0.13-0.25	SM24W3TK6 ⁽¹⁾⁽²⁾	SC24W3TK6 ⁽¹⁾⁽²⁾	—	0.90-1.58
		26-24	0.13-0.25	SM24W3S26 ⁽¹⁾⁽²⁾	SC24W3S25 ⁽¹⁾⁽²⁾	—	0.90-1.58
		20-20	0.32-0.52	SM20W3TK6 ⁽¹⁾⁽²⁾	SC20W3TK6 ⁽¹⁾⁽²⁾	—	1.20-2.10
		20-20	0.32-0.52	SM20W3S26 ⁽¹⁾⁽²⁾	SC20W3S25 ⁽¹⁾⁽²⁾	—	1.20-2.10

(1): Example of plating, for other plating see page 129

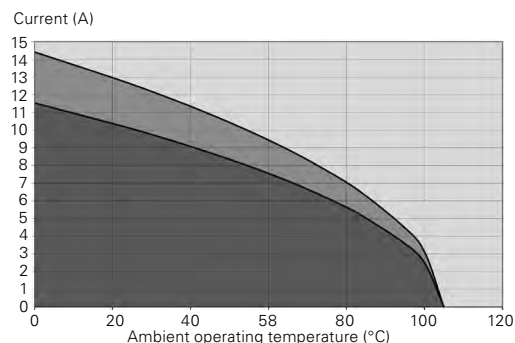
(2): Loose piece contact available by adding "L" after the "M" for the contact size and the plating. Example: SM20W3TK6 becomes SM20WL3TK6

Contact style	Contact type	Plating	Cable acceptance (AWG)	Wire stripping length (mm)
Handsolder	Loaded in the connector	Min 0.4µ gold over 0.8µ Ni	20 to 18	3.8

Electrical characteristics

UL	CSA	IEC
UTGX 106		
4.5A 250V with AWG20 wire UL94 V-0	3A 250V with AWG20 wire UL94 V-0	7A 32V 1.5kV 3
UTGX 10E6/10D6		
6A 250V with AWG20 wire UL94 HB	6A 250V with AWG20 wire UL94 HB	7A 32V 1.5kV 3

UTGX 106 - 10E6/10D6 derating curves



- Current use
- Limited use
- Not recommended use

Test conditions

Contact used: machined contacts

Wires used: 0.518 mm²

Derating curves based on continuous current application.